

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

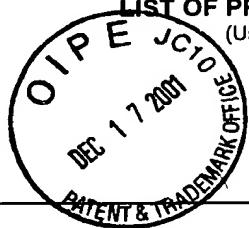
KCC-1093

SERIAL NO.

09/855,195

## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)



APPLICANT(S)

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

DEC 21 2001

GROUP

1700

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PM	AA	4,300,562	11/1981	Pieniak	—	—	
mn	AB	4,618,384	10/1986	Sabee	—	—	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PM	AL	95/34264	12/1995	PCT	—	—		
	AM	034 23 644	01/1986	Germany	—	—		
	AN	0 688 550	12/1995	EPO	—	—		
✓	AO	0 172 037	02/1986	EPO	—	—		
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

K. M. Rechelle

DATE CONSIDERED

10-20-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

P1005.1 / LAR

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Raymond Jeffrey MAY et al.	
				FILING DATE 14 May 2001	GROUP 3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RM	AA	3,338,992	08/1967	Kinney	264	24	
	AB	3,341,394	09/1967	Kinney	161	72	
	AC	3,502,538	03/1970	Petersen	161	150	
	AD	3,502,763	03/1970	Hartmann	264	210	
	AE	3,542,615	11/1970	Dobo et al.	156	181	
	AF	3,692,618	09/1972	Dorschner et al.	161	72	
	AG	3,802,817	04/1974	Matsuki et al.	425	66	
	AH	3,849,241	11/1974	Butin et al.	161	169	
	AI	4,340,563	07/1982	Appel et al.	264	518	
	AJ	4,704,116	11/1987	Enloe	004	385 A	
↓	AK	5,204,429	04/1993	Kaminsky et al.	526	308	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RM	AL	239 080 <del>A2</del>	09/1987	EPO	D01F	6/30		
	AM	37 34 963 <del>A2</del>	04/1990	Germany	G08L	21/00		
	AN	90/03464	04/1990	PCT	D04H	1/56		
	AO	380 781 <del>A2</del>	08/1990	EPO (Abstract)	B05C	5/02		
↓	AP	3-67646	03/1991	Japan	B32B	5/28		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RM	AR	Cellular Materials to Composites, Encyclopedia of Polymer Science and Engineering,					
		Vol. 3, pages 299-300, (1985), John Wiley & Sons.					
	AS						
	AT						

EXAMINER	DATE CONSIDERED
K.M. Rechler	10-00-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DR	AA	5,272,236	12/1993	Lai et al.	526	348.5	
	AB	5,278,272	01/1994	Lai et al.	526	348.5	
	AC	5,882,573	03/1999	Kwok et al.	264	510	
	AD	5,902,540	05/1999	Kwok	264	555	
	AE	5,904,298	05/1999	Kwok et al.	239	135	
	AF	2,206,761	07/1940	Bergstein	93	6	
	AG	2,266,761	12/1941	Jackson, Jr. et al.	154	46	
	AH	2,357,392	09/1944	Francis, Jr.	18	47.5	
	AI	2,464,301	03/1949	Francis, Jr.	154	46	
	AJ	2,483,405	10/1949	Francis, Jr.	154	54	
✓	AK	2,957,512	10/1960	Wade et al.	154	33.05	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
DR	AL	456 885 <del>81</del>	11/1991	EPO	A61F	13/15	
	AM	92891	02/1992	Israel		—	
	AN	92/16371	10/1992	PCT	B32B	31/00	
	AO	1 547 497 <del>20</del>	06/1993	EPO	A61F	13/15	
✓	AP	93/15247	08/1993	PCT	D04H	1/48	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

K. M. Rechler

DATE CONSIDERED

10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PMR</i>	AA	2,957,852	10/1960	Frankenburg et al.	260	75	
	AB	3,186,893	06/1965	Mercer	161	60	
	AC	3,371,668	03/1968	Johnson	128	290	
	AD	3,391,048	07/1968	Dyer et al.	161	58	
	AE	3,439,085	04/1969	Hartmann	264	210	
	AF	3,449,187	06/1969	Bobkowicz	156	161	
	AG	3,468,748	09/1969	Bassett	161	122	
	AH	3,575,782	04/1971	Hansen	161	141	
	AI	3,616,129	10/1971	Sager	161	57	
	AJ	3,629,047	12/1971	Davison	161	57	
	AK	3,669,823	06/1972	Wood	161	141	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>PMR</i>	AL	93/17648	09/1993	PCT	A61F	13/15		
	AM	570 980 <i>A1</i>	11/1993	EPO	A61F	13/15		
	AN	2 244 422 <i>B1</i>	3/1994	GB	A61F	13/15		
	AO	94/09736	05/1994	PCT	A61F	13/15		
<i>PMR</i>	AP	604 731 <i>A1</i>	07/1994	EPO	B32B	31/00		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR			
AS			
AT			

EXAMINER	<i>K. M. Rechle</i>	DATE CONSIDERED
		<i>10-10-02</i>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195		
<p style="text-align: center;"><b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)</p>				APPLICANT Raymond Jeffrey MAY et al.			
				FILING DATE 14 May 2001		GROUP 3700	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mr</i>	AA	3,673,026	06/1972	Brown	156	164	
	AB	3,676,242	07/1972	Prentice	156	62.4	
	AC	3,689,342	09/1972	Vogt et al.	156	167	
	AD	3,752,613	08/1973	Vogt et al.	425	80	
	AE	3,773,590	11/1973	Morgan	156	244	
	AF	3,806,289	04/1974	Schwarz	425	72	
	AG	3,836,416	09/1974	Ropiequet	161	2	
	AH	3,890,184	06/1975	Morgan	156	244	
	AI	3,912,567	10/1975	Schwartz	156	167	
	AJ	3,917,448	11/1975	Wood	8	125	
<i>v</i>	AK	3,949,130	04/1976	Sabee et al.	428	192	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mr</i>	AL	617 939 <i>A2</i>	10/1994	EPO (Abstract)	A61F	13/15		
	AM	2 253 131 <i>B</i>	10/1994	GB	A61F	13/72		
	AN	95/03443	02/1995	PCT	D04H	13/00		
	AO	95/04182	02/1995	PCT	D04H	13/00		
<i>v</i> <i>AP</i>		2 250 921 <i>B</i>	06/1995	GB	A61F	13/15		

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR		
AS		
AT		

EXAMINER <i>R. M. Richter</i>	DATE CONSIDERED <i>10-10-02</i>
----------------------------------	------------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE
**LIST OF PRIOR ART CITED BY APPLICANT**  
 (Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PNL</i>	AA	3,978,185	08/1976	Buntin et al.	264	93	
	AB	4,013,816	03/1977	Sabee et al.	428	288	
	AC	4,090,385	05/1978	Packard	72	191	
	AD	4,107,364	08/1978	Sisson	428	196	
	AE	4,148,676	04/1979	Paquette et al.	156	181	
	AF	4,209,563	06/1980	Sisson	428	288	
	AG	4,211,807	07/1980	Yazawa et al.	428	109	
	AH	4,239,578	12/1980	Gore	156	361	
	AI	4,241,123	12/1980	Shih	428	105	
	AJ	4,259,220	03/1981	Bunnelle et al.	260	27 BB	
<i>↓</i>	AK	4,302,495	11/1981	Marra	428	110	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>PNL</i>	AL	95/16562	06/1995	PCT	<del>B32B</del>	<del>5/24</del>		
	AM	95/34264	12/1995	PCT	<del>A61F</del>	<del>13/15</del>		
	AN	2 268 389 <del>13</del>	07/1996	GB	<del>A61F</del>	<del>13/15</del>		
	AO	96/23466	08/1996	PCT	<del>A61F</del>	<del>13/15</del>		
<i>↓</i>	AP	743 052 <del>13</del>	11/1996	EPO	<del>A61F</del>	<del>13/15</del>		

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR								
AS								
AT								

EXAMINER

*K. M. Rucker*

DATE CONSIDERED

*10/10/02*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195
<p style="text-align: center;"><b>LIST OF PRIOR ART REQUESTED BY APPLICANT</b> (Use several sheets if necessary)</p>				APPLICANT Raymond Jeffrey MAY et al.	
				FILING DATE 14 May 2001	GROUP B700

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Par</i>	AA	4,303,571	12/1981	Jansen et al.	260	33.6 AQ	
	AB	4,304,234	12/1981	Hartmann	428	287	
	AC	4,310,594	01/1982	Yamazaki et al.	428	296	
	AD	4,319,572	03/1982	Widlund et al.	428	284	
	AE	4,323,534	04/1982	DesMarais	264	—	
	AF	4,333,782	06/1982	Pieniak	156	176 R	
	AG	4,375,446	03/1983	Fujii et al.	264	518	
	AH	4,405,397	09/1983	Teed	156	164	
	AI	4,413,623	11/1983	Pieniak	604	365	
	AJ	4,417,935	11/1983	Spencer	156	80	
<i>✓</i>	AK	4,418,123	11/1983	Bunnelle et al.	428	517	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Par</i>	AL	96/35402	11/1996	PCT	A61F	13/15		
	AM	753 292	01/1997	EPO	A61F	13/15		
	AN	761 193	03/1997	EPO	A61F	13/15		
	AO	761 194	03/1997	EPO	A61F	13/15		
<i>✓</i>	AP	713 546	03/1997	EPO	D04H	13/00		

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR		
AS		
AT		

EXAMINER <i>R. M. Peckle</i>	DATE CONSIDERED <i>10-10-02</i>
---------------------------------	------------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DRW</i>	AA	4,440,819	04/1984	Rosser et al.	428	107	
	AB	4,490,427	12/1984	Grant et al.	428	107	
	AC	4,496,417	01/1985	Haake et al.	156	361	
	AD	4,507,163	03/1985	Menard	156	164	
	AE	4,525,407	06/1985	Ness	428	138	
	AF	4,543,099	09/1985	Bunnelle et al.	604	385-A	
	AG	4,548,859	10/1985	Kline et al.	428	251	
	AH	4,552,795	11/1985	Hansen et al.	428	110	
	AI	4,555,811	12/1985	Shimalla	2	51	
	AJ	4,572,752	02/1986	Jensen et al.	156	64	
	AK	4,586,199	05/1986	Birring	2	401	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
<i>DRW</i>	AL	763 353 A	03/1997	EPO	A61F	13/15	
	AM	787 474 A	08/1997	EPO	A61F	13/15	
	AN	806 196 A	11/1997	EPO	A61F	13/15	
	AO	814 189 A	12/1997	EPO	D04H	13/00	
	AP	98/14156	04/1998	PCT	A61F	13/15	

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

*K. M. Rechelle*

DATE CONSIDERED

*10-10-02*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

KCC-1093

USCOMM-DC 80-3985

9/S

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
M	AA 4,606,964	08/1986	Wideman	428	152	
	AB 4,626,305	12/1986	Suzuki et al.	156	164	
	AC 4,636,419	01/1987	Madsen et al.	428	131	
	AD 4,640,859	02/1987	Hansen et al.	428	105	
	AE 4,652,487	03/1987	Morman	428	138	
	AF 4,656,081	04/1987	Ando et al.	428	233	
	AG 4,657,793	04/1987	Fisher	428	36	
	AH 4,657,802	04/1987	Morman	428	152	
	AI 4,663,220	05/1987	Wisneski et al.	428	221	
	AJ 4,666,542	05/1987	De Jonckheere	156	164	
✓	AK 4,675,068	06/1987	Lundmark	156	495	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
M	AL 582 569/81	06/1998	EPO	B32B	5/26		
	AM 98/55062	12/1998	PCT	A61F	13/15		
	AN 99/17926	04/1999	PCT	B32B	5/04		
	AO 99/60970	12/1999	PCT	A61F	13/15		
✓	AP 00/37003	06/2000	PCT	A61F	13/15		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

K.M. Rechelle

DATE CONSIDERED

10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

KCC-1093

USCOMM-DC 80-3985

9/S

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
			KCC-14,280	09/855,195
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT	
			Raymond Jeffrey MAY et al.	
		FILING DATE	GROUP	
		14 May 2001	3700	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mm</i>	AA	4,683,877	08/1987	Ersfeld et al.	428	90	
	AB	4,687,477	08/1987	Suzuki et al.	604	385 A	
	AC	4,692,368	09/1987	Taylor et al.	428	137	
	AD	4,692,371	09/1987	Morman et al.	428	224	
	AE	4,718,901	01/1988	Singheimer	604	385 A	
	AF	4,719,261	01/1988	Bunnelle et al.	525	97	
	AG	4,720,415	01/1988	Vander Wielen et al.	428	152	
	AH	4,725,468	02/1988	McIntyre	428	40	
	AI	4,726,874	02/1988	Van Vliet	156	495	
	AJ	4,734,311	03/1988	Sokolowski	428	152	
<i>mm</i>	AK	4,734,320	03/1988	Ohira et al.	428	231	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mm</i>	AL	99/60969	12/1999	PCT	A61F	13/15		
	AM	99/60971	12/1999	PCT	A61F	13/15		
	AN	00/37005	06/2000	PCT	A61F	13/15		
	AO	1 013 251 A2	06/2000	EPO	A61F	13/15		
<i>mm</i>	AP	547 497 B2	07/2000	EPO	A61F	13/15		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER	DATE CONSIDERED
<i>K.M. Leachle</i>	10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195
<p style="text-align: center;"><b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)</p>		APPLICANT Raymond Jeffrey MAY et al.			
		FILING DATE 14 May 2001		GROUP 3700	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PM</i>	AA	4,735,673	04/1988	Piron	156	496	
	AB	4,756,942	07/1988	Aichele	428	102	
	AC	4,761,198	08/1988	Salerno	156	334	
	AD	4,762,582	08/1988	de Jonckheere	156	164	
	AE	4,775,579	10/1988	Hagy et al.	428	284	
	AF	4,777,080	10/1988	Harris, Jr. et al.	428	212	
	AG	4,789,699	12/1988	Kieffer et al.	524	271	
	AH	4,801,345	01/1989	Dussaud et al.	156	164	
	AI	4,801,482	01/1989	Goggans et al.	428	68	
	AJ	4,803,117	02/1989	Daponte	428	228	
✓	AK	4,804,577	02/1989	Hazelton et al.	428	224	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER	DATE CONSIDERED
<i>K. M. Leechle</i>	<i>10-10-02</i>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

370

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AN</i>	AA	4,826,415	05/1989	Mende	425	722	
	AB	4,842,666	06/1989	Werenicz	156	161	
	AC	4,854,985	08/1989	Soderlund et al.	156	85	
	AD	4,854,989	08/1989	Singheimer	156	161	
	AE	4,863,779	09/1989	Daponte	428	152	
	AF	4,874,447	10/1989	Hazelton et al.	156	167	
	AG	4,883,482	11/1989	Gandrez et al.	604	385.2	
	AH	4,883,549	11/1989	Frost et al.	156	161	
	AI	4,891,258	01/1990	Fahrenkrug	428	138	
	AJ	4,892,536	01/1990	DesMarais et al.	604	385.2	
	AK	4,892,903	01/1990	Himes	524	488	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

*R.M. Rachle*

DATE CONSIDERED

10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MR	AA	4,900,619	02/1990	Ostrowski et al.	428	284	
	AB	4,906,507	03/1990	Grynaeus et al.	428	113	
	AC	4,908,247	03/1990	Baird et al.	428	34.9	
	AD	4,910,064	03/1990	Sabee	428	113	
	AE	4,917,696	04/1990	De Jonckheere	604	385.2	
	AF	4,917,746	04/1990	Kons et al.	156	164	
	AG	4,929,492	05/1990	Carey, Jr. et al.	428	198	
	AH	4,938,821	07/1990	Soderlund et al.	156	85	
	AI	4,965,122	10/1990	Morman	428	225	
	AJ	4,968,313	11/1990	Sabee	604	385.2	
	AK	4,970,259	11/1990	Mitchell et al.	524	505	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

K.M. Keechle

DATE CONSIDERED

10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

KCC-1093

USCOMM-DC 80-3985

9/S

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Raymond Jeffrey MAY et al.	
				FILING DATE 14 May 2001	GROUP 3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mu</i>	AA	4,977,011	12/1990	Smith	428	152	
	AB	4,984,584	01/1991	Hansen et al.	128	898	
	AC	4,995,928	02/1991	Sabee	156	164	
	AD	4,998,929	03/1991	Björksund et al.	604	385.2	
	AE	5,000,806	03/1991	Merkatoris et al.	156	161	
	AF	5,002,815	03/1991	Yamanaka et al	428	109	
	AG	5,060,349	10/1991	Walton et al.	26	18.6	
	AH	5,073,436	12/1991	Antonacci et al.	428	219	
	AI	5,093,422	03/1992	Himes	525	98	
	AJ	5,100,435	03/1992	Onwumere	8	115.55	
	AK	5,114,087	05/1992	Fisher et al.	242	42	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER	DATE CONSIDERED
<i>R. M. Rechle</i>	10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF PRIOR ART ADMITTED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
JUN 05 2001			KCC-14,280	09/855,195
PATENT & TRADEMARK OFFICE			APPLICANT	
			Raymond Jeffrey MAY et al.	
		FILING DATE	GROUP	
		14 May 2001	3700	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Mm</i>	AA	5,147,487	09/1992	Nomura et al.	156	164	
	AB	5,169,706	12/1992	Collier, IV et al.	428	152	
	AC	5,169,712	12/1992	Tapp	428	315.5	
	AD	5,186,779	02/1993	Tubbs	156	161	
	AE	5,198,281	03/1993	Muzzy et al.	428	102	
	AF	5,200,246	04/1993	Sabee	428	109	
	AG	5,209,801	05/1993	Smith	156	161	
	AH	5,219,633	06/1993	Sabee	428	109	
	AI	5,226,992	07/1993	Morman	156	62.4	
	AJ	5,229,191	07/1993	Austin	428	198	
	AK	5,232,777	08/1993	Sipinen et al.	428	364	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR			
AS			
AT			

EXAMINER	DATE CONSIDERED
<i>K.M. Rechelle</i>	10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)	 JUN 05 2001 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.	
		KCC-14,280	09/855,195	
APPLICANT		Raymond Jeffrey MAY et al.		
FILING DATE 14 May 2001		GROUP	8700	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VM	AA	5,236,430	08/1993	Bridges	604	396	
	AB	5,236,770	08/1993	Assent et al.	428	198	
	AC	5,238,733	08/1993	Joseph et al.	428	284	
	AD	5,246,433	09/1993	Hasse et al.	604	396	
	AE	5,259,902	11/1993	Muckenfuhs	156	164	
	AF	5,260,126	11/1993	Collier, IV et al.	428	288	
	AG	5,288,791	02/1994	Collier, IV et al.	524	505	
	AH	5,296,080	03/1994	Merkatoris et al.	156	496	
	AI	5,304,599	04/1994	Himes	525	98	
	AJ	5,308,345	05/1994	Herrin	604	385.2	
✓	AK	5,312,500	05/1994	Kurihara et al.	156	62.4	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR								
AS								
AT								

EXAMINER	DATE CONSIDERED
K.M. Reehan	10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
JUN 05 2001 O I P E JCT'S PATENT & TRADEMARK OFFICE			KCC-14,280	09/855,195
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT	Raymond Jeffrey MAY et al.
			FILING DATE	GROUP 14 May 2001 3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PN</i>	AA	5,324,580	06/1994	Allan et al.	428	284	
	AB	5,332,613	07/1994	Taylor et al.	428	152	
	AC	5,334,437	08/1994	Zafiroglu	428	219	
	AD	5,334,446	08/1994	Quantrille et al.	428	284	
	<del>AE</del>	5,336,545	08/1994	<del>Morman</del>	428	152	
	AF	5,342,469	08/1994	Bodford et al.	156	244.22	
	AG	5,360,854	11/1994	Bozich, Jr.	524	274	
	AH	5,366,793	11/1994	Fitts, Jr., et al.	428	198	
	<del>AI</del>	5,376,198	12/1994	<del>Fahrenkrug et al.</del>	156	164	
	AJ	5,385,775	01/1995	Wright	428	284	
	AK	5,389,173	02/1995	Merkatoris et al.	156	164	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER	DATE CONSIDERED
<i>K. M. Rechle</i>	<i>10-10-02</i>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		<p style="text-align: center;">U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p style="text-align: center;">JUN 05 2001</p> <p style="text-align: center;">LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)</p>	ATTY. DOCKET NO.	SERIAL NO.
			KCC-14,280	09/855,195
			APPLICANT	
			Raymond Jeffrey MAY et al.	
		FILING DATE	GROUP	
		14 May 2001	3706	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
jm	AA 5,393,599	02/1995	Quantrille et al.	428	284	
	AB 5,405,682	04/1995	Shawyer et al.	428	221	
	AC 5,407,507	04/1995	Ball	156	163	
	AD 5,411,618	05/1995	Jocewicz, Jr.	156	164	
	AE 5,413,654	05/1995	Igaue et al.	156	161	
	AF 5,413,849	05/1995	Austin et al.	428	293	
	AG 5,415,649	05/1995	Wantanabe et al.	604	385.2	
	AH 5,415,925	05/1995	Austin et al.	428	287	
	AI 5,425,987	06/1995	Shawver et al.	428	284	
	AJ 5,429,694	07/1995	Herrmann	156	164	
	AK 5,431,644	07/1995	Sipinen et al.	604	385.2	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER		DATE CONSIDERED
	K. M. Rechle	10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RM	AA 5,431,991	07/1995	Quantrille et al.	428	109	
	AB 5,447,462	09/1995	Smith et al.	450	122	
	AC 5,447,508	09/1995	Numano et al.	604	385.2	
	AD 5,449,353	09/1995	Watanabe et al.	604	385.2	
	AE 5,464,401	11/1995	Hasse et al.	604	385.1	
	AF 5,472,775	12/1995	Obijeski et al.	428	220	
	AG 5,476,563	12/1995	Nakata	156	167	
	AH 5,484,645	01/1996	Lickfield et al.	428	198	
	AI 5,498,468	03/1996	Blaney	428	198	
	AJ 5,500,075	03/1996	Herrmann	156	494	
✓	AK 5,514,470	05/1996	Haffner et al.	428	246	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
AL						
AM						
AN						
AO						
AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

K. M. Rechle

DATE CONSIDERED

10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

KCC-1093

USCOMM-DC 80-3985

9/S

FORM PTO-1449  
(MODIFIED)

JUN 05 2001

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>hml</i>	AA	5,516,476	05/1996	Haggard et al.	264	211	
	AB	5,523,146	06/1996	Bodford et al.	428	198	
	AC	5,531,850	07/1996	Herrmann	156	161	
	AD	5,534,330	07/1996	Groshens	428	198	
	AE	5,540,976	07/1996	Shawver et al.	428	198	
	AF	5,545,158	08/1996	Jessup	604	385.2	
	AG	5,545,285	08/1998	Johnson	156	496	
	AH	5,549,964	08/1996	Shohji et al.	428	224	
	AI	5,569,232	10/1996	Roe et al.	604	385.2	
	AJ	5,575,783	11/1996	Clear et al.	604	385.1	
✓	AK	5,576,090	11/1996	Suzuki	428	152	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR			
AS			
AT			

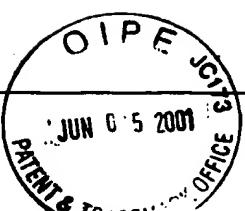
EXAMINER

*K.M. Rechle*

DATE CONSIDERED

*10-10-02*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MR</i>	AA	5,582,668	12/1996	Kling	156	161	
	AB	5,591,152	01/1997	Buell et al.	604	385.2	
	AC	5,597,430	01/1997	Rasche	156	161	
	AD	5,624,740	04/1997	Nakata	428	204	
	AE	5,626,573	05/1997	Igaue et al.	604	385.1	
	AF	5,628,856	05/1997	Dobrin et al.	156	244.18	
	AG	5,645,672	07/1997	Dobrin	156	244.18	
	AH	5,652,041	07/1997	Buerger et al.	428	198	
	AI	5,660,664	08/1997	Herrmann	156	161	
	AJ	5,669,897	09/1997	Lavon et al.	604	385.2	
<i>✓</i>	AK	5,681,302	10/1997	Melbye et al.	604	373	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR			
AS			
AT			

EXAMINER

*K. M. Rechue*

DATE CONSIDERED

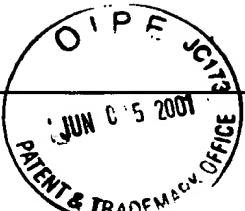
*10-18-02*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

KCC-1093

USCOMM-DC 80-3985

9/S

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

KCC-14,280

SERIAL NO.

09/855,195

APPLICANT

Raymond Jeffrey MAY et al.

FILING DATE

14 May 2001

GROUP

3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>BR</i>	AA	5,683,787	11/1997	Boich et al.	428	198	
	AB	5,690,626	11/1997	Suzuki et al.	604	385.2	
	AC	5,693,038	12/1997	Suzuki et al.	604	385.2	
	AD	5,695,849	12/1997	Shawver et al.	428	131	
	AE	5,709,921	01/1998	Shawver	428	152	
	AF	5,720,838	02/1998	Nakata	156	167	
	AG	5,733,635	03/1998	Terakawa et al.	428	198	
	AH	5,733,822	03/1998	Gessner et al.	442	35	
	<i>AH</i>	5,735,839	04/1998	Kawaguchi et al.	604	385.2	
	AJ	5,736,219	04/1998	Suehr et al.	428	113	
<i>✓</i>	AK	5,746,731	05/1998	Hisada	604	385.2	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

*K. M. Lechner*

DATE CONSIDERED

*10-10-02*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

KCC-1093

USCOMM-DC 80-3985

9/S

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)				APPLICANT Raymond Jeffrey MAY et al.		
				FILING DATE 14 May 2001		GROUP 3700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RR	AA 5,749,865	05/1998	Yamamoto et al.	604	385.2	
	AB 5,749,866	05/1998	Roe et al.	604	385.2	
	AC 5,766,737	06/1998	Willey et al.	428	198	
	AD 5,769,838	06/1998	Buell et al.	604	396	
	AE 5,769,993	06/1998	Baldauf	156	164	
	AF 5,772,649	06/1998	Siudzinski	604	386	
	AG 5,773,373	06/1998	Wynne et al.	442	260	
	AH 5,773,374	06/1998	Wood et al.	442	328	
	AI 5,788,804	08/1998	Hörsting	156	440	
	AJ 5,789,065	08/1998	Haffner et al.	428	152	
	AK 5,789,328	08/1998	Kurihara et al.	442	387	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
AL						
AM						
AN						
AO						
AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

K. M. Rechle

DATE CONSIDERED

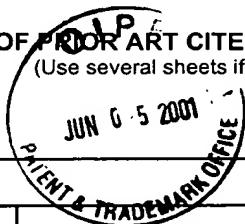
10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

KCC-1093

USCOMM-DC 80-3985  
9/S

FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)		APPLICANT	
		Raymond Jeffrey MAY et al.	
		FILING DATE 14 May 2001	GROUP 3700



## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MM	AA	5,814,176	09/1998	Proulx	156	167	
	AB	5,817,087	10/1998	Takabayashi et al.	604	385.2	
	AC	5,830,203	11/1998	Suzuki et al.	604	385.2	
	AD	5,834,089	11/1998	Jones et al.	428	97	
	AE	5,836,931	11/1998	Toyoda et al.	604	385.2	
	AF	5,836,932	11/1998	Buell et al.	604	396	
	AG	5,876,392	03/1999	Hisada	604	385.2	
	AH	5,879,776	03/1999	Nakata	428	92	
	AI	5,885,686	03/1999	Cederblad et al.	428	107	
	AJ	5,897,546	04/1999	Kido et al.	604	391	
	AK	5,899,895	05/1999	Robles et al.	604	385.2	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER		DATE CONSIDERED
	K. M. Rechle	10-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195
<p style="text-align: center;"><b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)</p>				APPLICANT Raymond Jeffrey MAY et al.	
				FILING DATE 14 May 2001	
				GROUP 3700	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>pw</i>	AA	5,916,206	06/1999	Otsubo et al.	604	385.2	
	AB	5,941,865	08/1999	Otsubo et al.	604	385.2	
	AC	5,952,252	09/1999	Shawver et al.	442	407	
	AD	5,964,970	10/1999	Woolwine et al.	156	64	
	AE	5,997,521	12/1999	Robles et al.	604	385.2	
	AF	6,004,306	12/1999	Robles et al.	604	385.1	
	AG	6,033,502	03/2000	Coenen et al.	156	64	
	AH	6,045,543	04/2000	Pozniak et al.	604	385.1	
	AI	6,057,024	05/2000	Mleziva et al.	428	114	
	AJ	Des. 284,036	06/1986	Birring	D2	10	
	AK	Des. 331,627	12/1992	Igaue et al.	D24	126	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER	<i>K. M. Rechle</i>	DATE CONSIDERED <i>10-10-01</i>
----------	---------------------	------------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-14,280	SERIAL NO. 09/855,195		
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> <small>(Use several sheets if necessary)</small>		APPLICANT Raymond Jeffrey MAY et al.					
		FILING DATE 14 May 2001		GROUP 3700			
		<b>U.S. PATENT DOCUMENTS</b>					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
pn	AA	Des. 335,707	05/1993	Igaue et al.	D24	126	
	AB	Des. 340,283	10/1993	Igaue et al.	D24	126	
	AC	Des. 414,262	09/1999	Ashton et al.	D24	126	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	AR						
	AS						
	AT						
EXAMINER		DATE CONSIDERED 10-10-02					
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							